

System Loader

This program is loaded into memory whenever a complete program and data load is required. SYSLOAD occurs when:

- the system is powered-on,
- the system RESET button is pressed
- the RELOAD buttons on the Changeover and Memory Arbitrator cards are pressed simultaneously
- a CE fault or power failure has caused some of the system memory contents to be destroyed.

This program loads all call processing programs and office data from the storage device into system memory. During this procedure, it diagnoses all memory faults and presents fault information on any TTY which is equipped. When the loading is complete (5 to 25 minutes):

- this program is erased from memory
- the initialize program (INI) is run
- call processing commences.

Format of SYS messages

SYS messages are formatted as SYSxxx to indicate a warning message and SYSxxx FATAL to indicate a fatal error requiring hardware replacement. Warning messages may be followed by an additional field indicating program number, terminal number (TN), customer data block (CDB) number, route data block (RDB) number, etc., of the data block in error.

The general format of Generic X11 SYSLOAD SYSLOAD Error error messages is:

SYSxxx dsid dsindex

where:

dsid = the data structure identifier

dsindex = the data structure index number.

Corrupted data structures

Some SYS messages may also prevent a data dump from occurring due to corrupted data. Investigate and resolve any SYSXXX messages. Add or correct data as required and then attempt to data dump (LD 43) onto a second copy of the tape or disk. If “EDD016 No Go Bad Data” is printed, use the EDD CLR command, then reload from the new copy to check that data is now valid.

SYS messages

SYS0000 SYSLOAD has taken place.

For Omega machines, output may be one of:

1. SYS0000 0500 = Machine may have been switched on with a tape or disk in place. No action.
2. SYS0000 CPU x = SYSLOAD controller switch from one CPU to the other, subsequent to SYS0000 {source} {...(see below).
3. SYS0000 {source} {page} {addr} {dis} code {prev} CPU x.
4. SYS0000 {source} {addr} {dis} CODE {prev} CPU x

Where: {source} = cause of SYSLOAD. Given only if a fault is detected.

{source} may be one of:

0400 = Power-on reset

0803 = Network disconnected from CPU (faulty connection from SBE to network or defective or disabled SBE; SL-1 XN only)

0805 = Soft switch

1000 = Parity error

2000 = Watchdog

4000 = Write-protect violation

8000 = Response timeout

{page} = Fault page (4-digits hexadecimal)

{addr} = Fault address (4 to 6 digits hexadecimal)

{dis} = Last maintenance code digit display (2-digits hexadecimal)

CODE {prev} = previous history fault. May be one of:

001X—Extender-generated bus fault

002X—Page 0 memory test fault

003X—Memory page decoding fault

004X—Switch CPU fault

CPU x = CPU number used for SYSLOAD

For C types machines (81, 81C, 61C and 51C) machines, output is as follows:

Format of the message is:

xyy 0 {addr} {dis} CPU z

Where:

xx = cause of SYSLOAD. Given only if a fault is detected. xx is one the following HEX numbers:

04 = Hardware reset (i.e. Powerupt or manual reset)

08 = Software reset (i.e. not a hardware reset and not a sanity reset)

20 = Sanity reset (i.e. Hardware watchdog timer timed out)

Where:

yy = is the most recent trap source, set to one of the following HEX codes:

21 Hardware Sanity Timeout

22 SWO: Failure on switchover

23 SWO: Too many switchovers

24 WARM: Disk OS Warmstart failure

25 WARM: Too many Disk OS Warmstarts

26 WARM: Disk OS not loaded

27 RESET: Forced Switchover in progress

28 RESET: Soft Reset in progress

29 TASK: Unable to create msg queue

2A Protected Memory checksum failure

2B INFO: Disk OS Warmstart begins

2C INFO: DRAM is uninitialized

2D Restart: Can't delete safe task

2E RESET: Task threshold exceeded

2F WARM: Exception vector threshold exceeded

30 WARM: total Exception threshold exceeded

31 WARM: Non-bus error exception in interrupt

32 WARM: Exception handling already busy

33 WARM: Exception call to RestartTask() failed

34 RESET: Manual INIT requested

35 SEG: Checksum failure detected
36 SEG: Disk OS Text segment corrupted
37 SEG: Disk OS partitions corrupted
38 DISKOS: Unable to load SL1
39 DISKOS: Unable to start SL1
3A INSTALL: reboot after installation
3B IOP Bus Error on active IOP
3C Parity Error on both sides
3D Parity Error in Split mode
3E Parity Error - remote SIMM: missing
3F Parity Error - remote SIMM: disabled
40 HI: bus error recommended action
41 HI: bus error TASK_RESTART for safe task
42 HI: Warm Start not possible
43 SWD expired for task with Warmstart option
<44 - 48 unused>
49 OS: manual (PDT) request (TRP)
4A OS: request to reboot (sysToMon) (reboot x)
4B OS: Reset task initialization failed
4C OS: Scheduler initialization failed
4D OS: S/W watchdog initialization failed
4E OS: Protected Memory initialization failed
4F OS: Security Cartridge check failed
50 OS: Normal recovery from bus error
51 OS: Unable to recover from bus error
52 OS: Unable to run "diskos"
53 OS: Unable to load "diskos"
54 OS: Disk volume initialization failed
55 OS: SCSI initialization failed
56 OS: DOS file system initialization failed

- 57 OS: IOP initialization failed
- 58 OS: Exception handlers initialization failed
- 59 OS: IO subsystem initialization failed
- 5A OS: Clock initialization failed
- 5B OS: Failed during Loader run
- 5C OS: Failed to spawn Loader task
- 5D OS: kernel initialization failed
- 5E OS: diskos Prot mem seg overlaps Unprot mem seg
- 5F Operating System level command to coldstart.
- {addr} - Fault address (4 to 8 digits hexadecimal)
- {dis} = Last maintenance code digit display (2 digits hexadecimal)
- CPU z = CPU number used for SYSLOAD

SYS0001 FATAL System real-time clock (RTC) does not respond. The Peripheral Signaling providing clock or the Control, Interface and Memory (CIM) card may be faulty.

SYS0002 FATAL Configuration record not found. The system is not able to load with this storage medium. Replace active storage medium with backup.

Action: Press RESET button (or both RELOAD buttons simultaneously) to restart the SYSLOAD.

SYS0003 FATAL Unable to allocate sufficient memory to load firmware.

Action: A memory fault must be cleared or more memory must be equipped.

SYS0004 FATAL Unable to allocate the overlay area.

Action: A memory fault must be cleared or more memory must be equipped.

SYS0005 FATAL DNXLXXX program not on storage medium. A vital program is missing from the storage medium.

Action: Initiate SYSLOAD. If SYS0005 F is reprinted, replace active storage medium with backup. Initiate SYSLOAD again. If system loads correctly, return defective storage medium to manufacturer.

SYS0006 FATAL Primary storage medium has permanent interrupt. The storage device is disabled and cannot be enabled until the fault is cleared.

SYS0007 D70 Network Mode data cannot be loaded when the Master Mode package 309 is restricted.

SYS0008 FATAL Active CPU faulty.

Action: Force a switch to idle CPU.

SYS0009 FATAL Not enough memory for operation.

Action: A memory fault must be cleared or more memory must be equipped.

SYS0010 FORCED Memory 0 failure.

Action: If more than one memory module on any shelf fails, then suspect bus extenders. Use maintenance storage medium, if the fault cannot be cleared.

SYS0011 FORCED Memory 1 failure.

Action: If more than one memory module on any shelf fails, then suspect bus extenders. Use maintenance storage medium, if the fault cannot be cleared.

SYS0012 TBAR Package is not equipped. FTOP in CDB reset to FRES.

SYS0013 % Cannot load UIPE JTTC data when JTTC package (#335) is restricted.

SYS0014 Existing data removed because FCDR package is restricted.

SYS0015 JTTC Package is not equipped; data lost.

SYS0016 DMWI package removed since neither MW, IDA or DPNSS package is equipped.

Action: Equip with the appropriate package.

SYS0017 Only digital consoles can have an IADN.

SYS0018 Default CLID info is present but the MMCS package is not equipped.

Action: Sysload again with MMCS package #317

SYS0019 International CLID info is present, but the MMCS package is not equipped.

Action: Sysload again with MMCS package #317 equipped.

SYS0020 FATAL Memory failure on protected data store, memory pack 0.

SYS0021 FATAL Memory failure on protected data store, memory pack 1.

SYS0022 The Path Replacement RCAP (PRI/PRO) is removed because the QSIG SS package #316 is restricted.

SYS0023 Existing diversion remote capability is removed since the QSIG GF package is restricted. QSIG Diversion will not work as expected.

SYS0024	Invalid message type detected when transferring a loss plan (losp) file. Transmission can be adversely affected. Action: Contact your technical support group.
SYS0025	A loss plan structure was found in illegal state. Action: Contact your technical support group.
SYS0026	No cards were specified in transfer of the data from card.db file. Transmission will be adversely affected. Action: Contact your technical support group.
SYS0027	Invalid message type detected when transferring an attribute (attr) file data. Transmission will be adversely affected. Action: Contact your technical support group.
SYS0028	Too many GTDs were specified in the attr.db file loaded. Action: Contact your technical support group.
SYS0029	The starting GTD specified in the attr.db file was beyond the limit in the system. Action: Contact your technical support group.
SYS0030	No GTD definitions were supplied. Transmission will be adversely affected. Action: Contact your technical support group.
SYS0031	The ending GTD specified in the attr.db file was beyond the limit in the system. Action: Contact your technical support group.
SYS0032	Memory could not be allocated for storing TNs for GDLS default port type allocation. Action: Contact your technical support group.
SYS0033	No list of TNs for default port type allocation was found. Action: Contact your technical support group.
SYS0034	A problem occurred during the reading of the GDLS loss plan files. Action: Contact your technical support group.
SYS0035	Trying to load Numeris Master Mode data with MMCS or Master Mode packages that are unequipped. The data will be lost.

Action: Equip Packages 309 and 317 and re-load.

SYS0036 CNAME package has been automatically turned off because the system is not equipped with the CPND package.

Action: Contact your technical support group if the system is incorrectly packaged.

SYS0037 CMOD unit data is discarded because the system is CNUMB AND CNAME package restricted.

Action: Contact your technical support group if the system is incorrectly packaged.

SYS0038 The CIS MFS package is equipped and the CIST package is not equipped.

SYS0039 ICS MFS package equipped and CIST package not equipped.

Action: Enable the CIST package and reload the system.

SYS0040 I/O device number 0 is incorrect type. An error has been made in the data on the storage medium.

SYS0041 I/O device number 1 is incorrect type. An error has been made in the data on the storage medium.

SYS0042 CMOD list is not created due to a lack of memory.

Action: Contact the distributor and request the expansion of the system memory size.

SYS0043 Invalid CMOD unit number (i.e. >31) is encountered. CMOD unit is not added into the system CMOD list.

Action: A system memory corruption might have occurred. Contact your technical support group.

SYS0050 CPU has no spare memory module.

SYS0051 DMI entry has been discarded due to a missing FNP (160) package

Action: Contact your technical support group if the system is incorrectly packaged.

SYS0052 SIDE is defined on a DASS2 route but the MMCS package is not equipped.

SYS0053 Microcellular packages restricted. Mobility related data will be removed from database.

Action: For Microcellular/Mobility, packages 302 (.MOSR) and 303 (.MMO) are required. Contact your technical support group.

SYS0054 Mobility related data blocks are removed. Possibly, superloop does not exist.

Action: Contact your technical support group.

SYS0055 Invalid value in the EBLN ISM parameter.

SYS0060 CPU has no spare memory module. Too many logical units, TDS or MFSD loops for I/O table.

SYS0070 FATAL Primary storage medium fault. Storage medium not ready or head fault detected.

SYS0071 A record could not be read from storage medium. A storage medium fault is indicated. System may still load, even though data or programs are missing.

SYS0072 A storage device function timed out. A fault in the storage device interface (TI or MSI) or storage device (TU or MSU) is indicated. System may still load even though data or programs are missing.

SYS0073 Data could not be accessed from one tape track or disk address. A fault in the storage device interface (TI or MSI) or storage device (TU or MSU) is indicated. System may still load even though data or programs are missing.

SYS0079 Both CPU faulty.

SYS0080 Active CPU faulty. Initiating CPU switch.

SYS0081 Physical available memory does not match configuration memory but fulfills minimum requirement to allow a sysload.

SYS0082 Segmented Bus Extender (SBE) configured but not equipped.

SYS0083 SBE equipped but not configured.

SYS0084 Secondary memories disabled; all primary memories used.
(ProcedurepDO_OVLY_AREA.)

SYS0085 SMART ROM MTYP 0 assumed (procedure CHECK_ROM_TAG).

SYS0086 Corrective ROM MTYP 192 assumed (procedure CHECK_ROM_TAG).

SYS0087 Memory configuration error (procedure BUILD_MOD_MAP).

SYS0088 QPCxxx ROM issue not compatible with software issue (procedure CHECK_ROM_TAG), where xxx is the QPC code and y is the vintage code of the ROM. Systems with vintage B and later ROM cards can disregard this message. All normal operations on an upgraded system are unaffected.

SYS0089 CPU p b Memory block b on page p is not configured. (Procedure ISSUE_ERRORS.)

SYS0090 x Memory x failure. For system options XN, NT, XT, RT, 51, 61 and 71 the value of x can be:

0=pack 0 memory 0

2=pack 2 memory 0

10=pack 0 memory 1

11=pack 1 memory 1

12=pack 2 memory 1

For all other system options:

0= page 0 memory 0

0=page 1 memory 0

0=page 2 memory 0

2=page 8 memory 0

2=page 9 memory 0

2=page 10 memory 0

3=page 12 memory 0

3=page 13 memory 0

3=page 14 memory 0

10=page 0 memory 1

10=page 1 memory 1

10=page 2 memory 1

11=page 4 memory 1

11=page 5 memory 1

11=page 6 memory 1

12=page 8 memory 1

12=page 9 memory 1

12=page 10 memory 1

13=page 12 memory 1

13=page 13 memory 1

13=page 14 memory 1

This message may indicate an incorrect ROM card.

SYS0091 x Page decoding fault on memory x (0 or 1). Page decoding faults will cause all the memory cards being tested at the time of the failure to be marked "failed".

SYS0092 x CMA fault on memory x (0 or 1).

SYS0093 INHIBITS xxxx If multiple reload attempts occur, past history failures may cause serious assumed fault conditions indicated by xxxx as follows:

1. 0001 = Primary page 0 assumed faulty. No attempt will be made to test this memory card.
2. 0002 =Secondary page 0 assumed faulty. No attempt will be made to test this memory card.
3. 0004 =Primary page decode assumed faulty. No attempt will be made to test the memory.
4. 0008 =Secondary page decode assumed faulty. No attempts will be made to test the memory cards on this memory shelf.
5. 0010 =Enabling of extenders caused bus fault. The extenders will not be enabled.
6. 0020 =switch to standby CPU will not be attempted.
7. 0040 =Execution from active CPU will not be attempted.
8. 0080 =Trap sequence determined primary page 0 faulty. Card will be re-tested.
9. 0100 =Trap sequence determined secondary page 0 faulty. Card will be re-tested.

SYS0094 x Memory page x passes test but the memory page is not in the configuration. Memory packs that are installed and not identified in the configuration record are tested but not used for loading programs or data. Such cards are indicated by x which can be the same as for SYS0090.

SYS0095 x Indicated split memory option for the memory card differs from the majority. (The data store memory split option is verified on a "majority opinion" basis of each memory card and the configuration record.

SYS0096	Configuration changed from split to non-split. The configuration record differs from both memory packs concerning the "split data store" option. In this event, the configuration record is changed to agree with the majority.
SYS0097	Configuration changed from non-split to split. The configuration record differs from both memory packs concerning the "split data store" option. In this event, the configuration record is changed to agree with the majority.
SYS0098 x	Memory x changed from unequipped to equipped. Configuration-equipped memory cards are forced to be consistent with the split option and with minimum system requirements. Memory cards which are incorrectly equipped are indicated by x as follows: 0=page 0 memory 0 0=page 1 memory 0 0=page 2 memory 0 10=page 0 memory 1 10=page 1 memory 1 10=page 2 memory 1
SYS0099 x	Memory x changed from equipped to not-equipped. Where: x is interpreted as it is in SYS0098.
SYS0100	CPU switchover initiated by SYSLOAD.
SYS0101 code xxx	Where CODE can be either PROG (Program xxx has length error) or INTR (Intrinsic length error).
SYS0102 code xxx	Where code can be either PROG (Vector number out of range, program xxx) or INTR (Intrinsic number out of range).
SYS0103 code xxx	Where code can be either PROG (Program xxx already loaded) or INTR (Intrinsic already loaded).
SYS0104 INTR 0	No intrinsic on storage medium. This is a warning only.
SYS0105 PROG xxx	SL-1 assembler routines are not supported. Programs containing such code will not be loaded.
SYS0106	Program number is in old compiler format.
SYS0190	Valid TN is in the DN block. TN is rejected.

SYS0191	Invalid TN is in the DN block; TN is rejected from DN block.
SYS0201	Data block length error. Output data depends on software as follows: X11: xxxx yyyy (data structure identifier & index number) X08: TN I s c u: terminal number Action: See “Corrupted data structures” in the SYS introduction.
SYS0202 TN I s c u	Station type does not match card type.
SYS0203 TN I s c u	Secondary attendant block forces out TN already loaded. Action: See “Corrupted data structures” in the SYS introduction.
SYS0204 TN I s c u	Unit number of Digitone receiver not zero. Action: See “Corrupted data structures” in the SYS introduction.
SYS0205 TN I s c u	Unit number of trunk not zero or one. Action: See “Corrupted data structures” in the SYS introduction.
SYS0206	Loop number out of range. Action: See “Corrupted data structures” in the SYS introduction.
SYS0207	Shelf not in configuration record (local or remote). Action: See “Corrupted data structures” in the SYS introduction.
SYS0208 TN I s c u	Invalid pointer to station data. Program error. Action: See “Corrupted data structures” in the SYS introduction.
SYS0209	A Call Park Block has been discarded due to its number conflicting with an existing Call Park Block. Action: Contact your technical support group.
SYS0210	ARS data block does not exist.
SYS0211	ARS user codes exceed table size.
SYS0212	SCL DND template number exceeds length of list allocated. EDD error. Action: See “Corrupted data structures” in the SYS introduction.
SYS0213	Attempt to use nonexistent ARS schedule block.

SYS0214	Conversion error.
SYS0215	Storage medium directory error.
SYS0216	Patch block error.
SYS0218	Limit on number of storage medium, teletype and History File units exceeded (limit is 16 units).
SYS0219	Incompatible feature packages are enabled. Attendant Overflow Position feature package is changed to restricted because Centralized Attendant Service Main or Remote feature package is not restricted.
SYS0227	Unable to allocate enough PDS for converted SL-1 station.
SYS0229	Same as SYS0227.
SYS0230	Customer Data Block (CDB) does not exist when loading Automatic Call Distribution (ACD) blocks. Action: See "Corrupted data structures" in the SYS introduction.
SYS0231	Number of ACD blocks exceeds list size. Action: See "Corrupted data structures" in the SYS introduction.
SYS0232	key cust dn ACD-DN does not exist in DN tree. Action: See "Corrupted data structures" in the SYS introduction.
SYS0233	Data assigned to SL-1 ACD key is invalid, or the data assigned can not be used with 500/2500 sets as ACD stations. Action: See "Corrupted data structures" in the SYS introduction.
SYS0234	Number of stations assigned to ACD group exceeds maximum. Action: See "Corrupted data structures" in the SYS introduction.
SYS0236	Authorization code data block does not exist. Action: See "Corrupted data structures" in the SYS introduction.
SYS0237	Too many authorization codes in authcode table. Action: See "Corrupted data structures" in the SYS introduction.
SYS0240	CDB does not exist for Direct Inward System Access (DISA) data block. Action: See "Corrupted data structures" in the SYS introduction.

SYS0241	Too many DISA data blocks in DISA list. Action: See “Corrupted data structures” in the SYS introduction.
SYS0242	Number of dial intercom groups exceeds maximum allowed in customer data block. Action: See “Corrupted data structures” in the SYS introduction.
SYS0245	Too many different SL-1 telephone configurations or 500/2500-type set configurations have been created. Action: Make more sets with identical feature configurations and key layouts. See “Corrupted data structures” in the SYS introduction.
SYS0250	Tree data blocks corrupted. Tree will be released.
SYS0251	Unable to locate New Flexible Code Restriction (NFCR) pointers table.
SYS0252	Unable to locate tree block pointers table.
SYS0300 tn	Customer data block does not exist. Action: See “Corrupted data structures” in the SYS introduction.
SYS0301	ACD supervisor key assigned to an agent station. Action: See “Corrupted data structures” in the SYS introduction.
SYS0302	ACD display queue key has invalid ACD DN. Action: See “Corrupted data structures” in the SYS introduction.
SYS0303	More than 9 supervisors are assigned to a simple ACD DN. Action: See “Corrupted data structures” in the SYS introduction.
SYS0304	Agent key assigned but agent does not exist. Action: See “Corrupted data structures” in the SYS introduction.
SYS0305	Agent key identifies agent who already has another supervisor. Action: See “Corrupted data structures” in the SYS introduction.
SYS0306	Agent key assigned identifies a supervisor station. Action: See “Corrupted data structures” in the SYS introduction.
SYS0307	Attempt to assign an ACD agent function to a non-ACD set. Action: See “Corrupted data structures” in the SYS introduction.

- SYS0308 Attempt to assign a 'call supervisor' key to the supervisor.
Action: See "Corrupted data structures" in the SYS introduction.
- SYS0310 key cust dn Illegal digits in DN.
Action: See "Corrupted data structures" in the SYS introduction.
- SYS0311 Not-ready-key is assigned to a non-ACD station.
Action: See "Corrupted data structures" in the SYS introduction.
- SYS0312 CAS key assigned to SL-1 telephone but CAS data blocks do not exist.
Action: See "Corrupted data structures" in the SYS introduction.
- SYS0315 A function requiring an LED is assigned to a non-LED key.
Action: See "Corrupted data structures" in the SYS introduction.
- SYS0316 CAS key assigned to SL-1 telephone but CAS data blocks do not exist.
Action: See "Corrupted data structures" in the SYS introduction.
- SYS0317 More than 10 CAS keys have been assigned to SL-1 telephones.
Action: See "Corrupted data structures" in the SYS introduction.
- SYS0320 TN | s c u DN assigned dials operator.
- SYS0330TN | s c u Shorter DN already exists. For SYS033xxxx, xxxx is the DN concerned.
Action: See "Corrupted data structures" in the SYS introduction.
- SYS0340 TN | s c u Longer or equal length DN already exists.
Action: See "Corrupted data structures" in the SYS introduction.
- SYS0350 N | s c u Loop number in Directory Number block does not match TN.
Action: See "Corrupted data structures" in the SYS introduction.
- SYS0360 TN | s c u Trunk member number out-of-range.
Action: See "Corrupted data structures" in the SYS introduction.
- SYS0370 TN | s c u Route data block does not exist.
Action: See "Corrupted data structures" in the SYS introduction.
- SYS0380 TN | s c u Attendant member number out of range or in use.
Action: See "Corrupted data structures" in the SYS introduction.

SYS0385	TN of the terminal is not the prime DN of attendant. Action: See “Corrupted data structures” in the SYS introduction.
SYS0390 TN I s c u	Attendant Directory Number block of wrong type. Action: See “Corrupted data structures” in the SYS introduction.
SYS0391	Invalid TN for attendant. Action: See “Corrupted data structures” in the SYS introduction.
SYS0400 TN I s c u	Assigned DN has more than 16 stations.
SYS0410 TN I s c u	DN call type in conflict, i.e., single vs multiple. Action: See “Corrupted data structures” in the SYS introduction.
SYS0420	Network loop in configuration record conflicts with existing loop.
SYS0421	Tone loop in configuration record conflicts with existing loop.
SYS0422	Conference loop in configuration record conflicts with existing loop.
SYS0423	MF Sender in configuration record conflicts with existing loop.
SYS0430	Private DN in trunk data block conflicts with existing DN.
SYS0500	CPU test failed on nonactive CPU.
SYS0510	Changeover and Memory Arbitrator (CMA) pack failed to respond. Faulty CMA pack.
SYS0511	CMA pack indicated that nonactive CPU failed CPU test. Probable fault on nonactive CPU or CMA pack.
SYS0520	Unable to find data for other CPU after switchover.
SYS0600	Emergency conference group out-of-range (0 to 9). Action: Check data.
SYS0601	Emergency conference member out-of-range (1 to 10). Action: Check data.
SYS0602	Software problem. Action: Contact your technical support group.

SYS0603 Two TNs assigned as the same member of the same group.

Action: Check data.

SYS0606 id index Customer data block number read from the storage medium record header greater than the size of the customer data block pointer array. The output data is defined as follows:

Where:

ID = Structure Identifier

INDEX = Index number definition

The meaning of the possible id—index are:

1. ESN—Customer number = error occurred while loading ESN data block (ESN_DATA_BLK).
2. ESNS—Data block index = error occurred while loading supplementary digit block (ESN_SDR_BLK).
3. ESNL—Customer number = error occurred while loading location route block (ESN_LOC_RTE_BLK).
4. ESNR—Data block index = error occurred while loading route list (ESN_RTE_LIST_BLK).
5. ESND—Data block index = error occurred while loading digit manipulation block (ESN_DM_BLK).

SYS0607 id index Electronic Switched Network (ESN) data structure was loaded from storage medium but a corresponding customer data block to reference this structure does not exist.

Action: See SYS606 for output data.

SYS0608 id index More than one ESN data block was loaded from storage medium for the same customer.

Action: See SYS606 for output data.

SYS0609 id index One of the ESN data structures which are referenced from the ESN data block was loaded but the ESN data block does not currently exist for the corresponding customer.

Action: See SYS606 for output data.

SYS0610 id index Insufficient protected data store for supplementary digit pointer block.

Action: See SYS606 for output data.

SYS0611 id index The supplementary digit restriction index read from the storage medium record header is greater than the maximum value, which is stored in the ESN data block.
Action: See SYS606 for output data.

SYS0612 id index More than one supplementary digit restriction block was found on storage medium for the same customer and index.
Action: See SYS606 for output data.

SYS0613 id index Insufficient protected data store memory space to set up the route list pointer block.
Action: See SYS606 for output data.

SYS0614 id index Route list index read from the storage medium record header greater than the maximum value, which is stored in the ESN data block.
Action: See SYS606 for output data.

SYS0615 id index More than one route list block was found on storage medium for the same customer and index.
Action: See SYS606 for output data.

SYS0616 id index Insufficient protected data store memory space to set up the digit manipulation pointer block.
Action: See SYS606 for output data.

SYS0617 id index Digit manipulation index read from the storage medium record header is greater than the maximum value, which is stored in the ESN data block.
Action: See SYS606 for output data.

SYS0618 id index More than one digit manipulation block was found on storage medium for the same customer and index.
Action: See SYS606 for output data.

SYS0619 id index More than one location route block was found on storage medium for the same customer and index.
Action: See SYS606 for output data.

SYS0620 id index Insufficient protected data store memory space to set up a block in the network translation tree.
Action: See SYS606 for output data.

SYS0621 id index One of the translation table digits read from the storage medium is out-of-range.

Action: See SYS606 for output data.

SYS0622 id index The same sequence of digits has been read from storage medium for the specified network translation table.

Action: See SYS606 for output data.

SYS0623 id index Cannot enter any more ARS digit manipulation records into ESN digit manipulation block, because ESN DM block is full.

Action: See SYS606 for output data.

SYS0624 id index Cannot convert ARS codes other than three digits in length.

Action: See SYS606 for output data.

SYS0625 id index Cannot convert digit manipulation entry as length is greater than 20 digits.

Action: See SYS606 for output data.

SYS0626 NARS is not available.

SYS0627 Translation data is corrupted.

SYS0628 Route list pointer.

SYS0629 Trunk route data.

SYS0630 Location route data.

SYS0631 Route list entry data.

SYS0632 Insufficient protected data store memory space to set up the Free Calling Area Screening (FCAS) pointer block.

SYS0633 More than one FCAS NXX block was found on storage medium for the same customer, index and NPA.

SYS0634 The FCAS index read from the storage medium record header is greater than the maximum value, which is stored in the ESN data block.

SYS0638 NARS—Invalid NXX.

SYS0639 NARS—FCAS data cannot be accessed.

SYS0640	Cannot perform data conversion for this generic/release/version of storage medium.
SYS0641	The value of the variable 'BLOCKTYPE' was out-of-range. This variable is set to the storage medium header word 'TAPEBLOCKTYPE'.
SYS0642	The customer data block number read from the storage medium record header is greater than the customer data block pointer size.
SYS0643	No customer data block exists to which authcode can be attached.
SYS0644	The block number read from the storage medium record header does not match the expected block number.
SYS0645	More than one block was read from storage medium with the same block identification.
SYS0646	The authcode header table (AUTH_TABLE_BLK) does not exist to which the remaining authcode data blocks may be attached.
SYS0647	Authcode conversion can occur only in conjunction with the BAUT package and not the NAUT package.
SYS0648	During conversion, more different class codes were read from storage medium than there is room in the new class code table.
SYS0649	Attempt to allocate protected data store memory space failed.
SYS0650	During conversion, two authcodes which contained identical digits were loaded.
SYS0653	Cannot allocate space for NCTL block which should be split from the ESN data block.
SYS0654	More than one Coordinated Dialing Plan (CDP) list was found on storage medium for the same customer.
SYS0655	The index for the TDET block was 0 or greater than the maximum size.
SYS0666	Cannot allocate memory for DCH table of PTRs.
SYS0667 c	PRA option for customer c was turned off because ISA is restricted.
SYS0668 x	Cannot load data block for DCH x when the ISA and/or DTI packages are restricted.

SYS0669 loop	Cannot load data block for PRI loop when the ISA and/or DTI packages are restricted.
SYS0670 r c	Cannot load route r for customer c when the ISA package is restricted and the route configured to have B channels.
SYS0671 r c	SDN option for route r in customer c is turned off because ISA is restricted.
SYS0672	The provisioned ROM (QPC717) does not support Expanded Memory.
SYS0673	The MISC/PS board (QPC709) has been fitted with an improved ROM (QPC717D).
SYS0674	The Meridian ST ROM (QPC717D) with MISC/PC (QPC709C) and the expanded memory boards (QPC814)—MTYP 768 is assumed. Only issued when the configuration record indicates something other than 768.
SYS0700 xx	This message indicates self-test results, and call processing status. xx refers to appended numbers that follow the SYS700 message itself. Each set of numbers is associated with a specific call processing or self-test activity. They appear as the activity takes place. 00 = Begin CP board reset 01 = Begin SRAM self- test 02 = ROM created on {date} 03 = Beginning DRAM self-test; DRAM being configured 04 = Booting ROM Operating System
SYS0701 xx	This message indicates self-test results, and call processing status. xx refers to appended numbers that follow the SYS701 message itself. Each set of numbers is associated with a specific call processing or self-test activity. They appear as the activity takes place. 01 = ASIC ICC failure 02 = SRAM test failure 03 = CP test failure 04 = HPM test failure 05 = PEROM checksum failure 06 = SRA ASIC failure 07 = CMB ASIC failure 08 = BIC ASIC failure

09 = Duarte test failure

10 = Time of day clock failure

11 = No DRAM available

12 = LCD display test failure

SYS0702 x x x x x x DRAM size (in megabytes). Each x indicates a bank populated, with a maximum of 6 banks available.

SYS0703 xxxx Self-tests completed. xxxx refers to the test flags. 0FFF indicates that all the tests passed.

SYS0704 Soft reset completed.

SYS0705 xx This message indicates self-test results, and call processing status. xx refers to appended numbers that follow the SYS705 message itself. Each set of numbers is associated with a specific call processing or self-test activity. They appear as the activity takes place.

00 = CPU speed unknown

01 = CPU speed less than 25 Mhz

02 = CPU speed at 25 Mhz

03 = CPU speed between 25 Mhz and 33 Mhz

04 = CPU speed at 33 Mhz

05 = CPU speed between 33 Mhz and 40 Mhz

06 = CPU speed at 40 Mhz

07 = CPU speed greater than 40 Mhz

SYS0706 xx Software full reset, or software warm reset.

Where:

xx refers to the following explanations:

00 = Low level debugger command to warm start, or unexpected exception or interrupt occurred during early reset sequence

01 = Hardware sanity timeout (once)

02 = SWO: failure on switchover

03 = SWO: too many switchovers

04 = WARM: disk OS warm start failure

05 = WARM: too many disk OS warm starts

06 = WARM: disk OS not loaded
07 = RESET: forced SWO in progress
08 = RESET: soft reset in progress
09 = TASK: unable to create message queue
10 = Protected memory checksum failure
11 = INFO: disk OS warm start begins
12 = INFO: DRAM is initialized
13 = RESET: cannot delete verified task
14 = RESET: task threshold exceeded
15 = WARM: Exc vector threshold exceeded
16 = WARM: Exc total threshold exceeded
17 = WARM: Exc handling already busy
18 = WARM: Exc restart task failed
19 = RESET: manual INIT requested
20 = SEG: checksum failure detected
21 = SEG: disk OS text segment corrupted
22 = SEG: disk OS partitions corrupted
23 = DISKOS: unable to load Meridian 1
24 = DISKOS: unable to start Meridian 1
27 = Bad active IOP is detected
28 = Parity error on both sides
29 = Parity error on split sides
30 = Parity error - remote SIMM is missing
31 = Parity error - remote SIMM is disabled
41 = OS manual (PDT) request
42 = OS request to reboot (sysToMon)
43 = OS RST - initialization failed
44 = OS SKD - initialization failed
45 = OS SWD - initialization failed
46 = OS PMEM - initialization failed

47 = OS security check failed
 48 = OS normal recovery from BER
 49 = OS unable to recover from BER
 50 = OS unable to run "diskos"
 51 = OS unable to load "diskos"
 52 = OS VOL - initialization failed
 53 = OS SCSI - initialization failed
 54 = OS DOS - initialization failed
 55 = OS IOP - initialization failed
 56 = OS EXC - initialization failed
 57 = OS IOS - initialization failed
 58 = OS clock initialization failed
 59 = OS failed during loader run
 60 = OS failed to spawn loader task
 61 = OS kernal initialization failed
 62 = OS "diskos" P segment overlaps U segment
 63 = Operating system level command to cold start
 For reason 63, xx appears as a "-1." Output looks like SYS0706 -1

SYS0720 x Running VxWorks Boot OS. X11 Release x.

SYS0721 Cannot access {filename}.

SYS0722 x Cannot load {filename} to x.

SYS0723 x Boot OS restart reason x.

SYS0724 Boot OS exception.

SYS0800 Unable to allocate Peripheral Signaling (PS) polling table.

Action: Clear memory fault or add memory.

SYS0802 i t n Unable to allocate protected TN block or translator for CMF incoming or outgoing table.

Output:

i = incoming/outgoing

t = table number

n = level number.

- SYS0803 Unable to allocate protected directory block.
Action: Clear memory fault or add memory.
- SYS0804 Unable to allocate protected loop block.
Action: Clear memory fault or add memory.
- SYS0805 Unable to allocate dial intercom group block.
Action: Clear memory fault or add memory.
- SYS0806 Unable to allocate protected Flexible Feature Table.
- SYS0807 Unable to allocate protected Radio Paging data for a radio paging system or a translation table entry
- SYS0808 Unable to allocate memory for Group data link.
- SYS0809 Unable to allocate ARS UAC table or schedule block.
Action: Clear memory fault or add memory.
- SYS0810 Unable to allocate 'do not disturb' block.
Action: Clear memory fault or add memory.
- SYS0811 Ext DIG5 block without Basic block.
- SYS0812 Ext MR block without Basic block.
- SYS0813 Aux Customer block without Basic block.
- SYS0814 ftc c r t n FTC class access code table is missing.
Where:
ftc = Flexible toll and code
c = Customer number
r = Route number
t = AC (FTC access code table) or = QUL (FTC qualify code table)
n = 13 (class 1), 14 (class 2) or 15 (class 3)
- SYS0815 ftc c r q n Code restriction master head table or FTC head table is missing.
Where:
ftc = Flexible toll and code

c = Customer number

r = Route number

q = FTC qualify code table

n = 16 (class 1), 17 (class 2), 18 (class 3)

- SYS0821 SYS2 Procedure SETBLOCK: memory block has not been allocated.
- SYS0822 SYS2 Procedure SETUPTNTERMLOOP. Protected group block does not exist.
- SYS0823 SYS2 Procedure SETUPTNTERMLOOP. Protected loop block does not exist. (PLOPPTR=NIL)
- SYS0824 SYS2 Procedure SETUPTN TERM LOOP. Protected loop block exists and the loop is remote.
- SYS0825 SYS2 Procedure SETUPTNCARD. Protected card block does not exist. (PCARDPTR=NIL)
- SYS0826 Unable to allocate protected DTI block.
- SYS0827 Unable to allocate protected group block.
- SYS0900 Unable to allocate memory for the overlay area.
Action: Clear memory faults or add memory.
- SYS0901 code xxx Where code is defined as:
 INTR = Unable to allocate enough memory for the intrinsic xxx.
 PROG = Unable to allocate enough memory for program xxx.
Action: Clear memory faults or add memory.
- SYS0905 Unable to transfer program to memory other than page 2.
Action: Clear memory faults or add memory.
- SYS0910 Memory map for active memories invalid. Program error.
- SYS0920 Memory map for active memories invalid. Program error.
Action: Clear memory faults or add memory.
- SYS0999 FATAL Major alarm (power fail transfer) tripped by software because of insufficient protected memory.
Action: Clear memory faults or add memory.

SYS1000	Card density greater than loop density.
SYS1001	Card density less than higher equipped units.
SYS1002	Card block not found on storage medium for unit block found on storage medium.
SYS1003	No card block for secondary attendant.
SYS1004	Customer station group header tables does not exist.
SYS1005	Not enough protected data store can be allocated for pretranslation.
SYS1006	Station group entry number is greater than MAX_SGRP.
SYS1007	Pretranslation table number is greater than MAX_PRXL.
SYS1008	MFC conversion is not supported for this conversion.
SYS1009	No NLC data exists to load the NLC ARS block. (NLC_ARS_LOAD)
SYS1010	The corresponding NLC block does not exist for the NLC ARS block (NLC_ARS_LOAD).
SYS1011	No NLC data exists to load the NLC DNL lists. (NLC_ARS_LOAD)
SYS1012	The corresponding NLC block does not exist for the NLC DNL block. (NLC_DNL_LOAD)
SYS1013	SSTB I/O Unable to allocate protected supplementary service tables. Where: I/O = 0 for incoming, 1 for outgoing.
SYS1014	CMF g t n MFC conversion for levels greater than 2 are not supported. Where: g = 0 for incoming, 1 for outgoing t = table number n = level number.
SYS1015	AUTH data block does not exist.
SYS1016	SARG number is greater than SARG_MAX.
SYS1017	Not enough protected data store can be allocated for SARG block.

SYS1018	Not enough protected data store can be allocated for AUTH_PTR table.
SYS1019	Not enough protected data store can be allocated for AUTHCODE block.
SYS1020	Not enough room exists in AUTH_PTR_TABLE.
SYS1026	CMF_TIE_PACKAGE not equipped.
SYS1027	CMF_DID_PACKAGE not equipped.
SYS1028	NWK_PACKAGE not equipped.
SYS1056	Unit number of DTD, MFC, MFE out-of-range.
SYS1057	MFE package not equipped.
SYS1058	MFE data corruption.
SYS1059	Caller's Name Display: Cannot set up special name table.
SYS1060	Caller's Name Display: The average size of the name is not configured.
SYS1061	Caller's Name Display: The maximum number of names is not configured.
SYS1062	Caller's Name Display: Not enough memory for names.
SYS1063	Caller's Name Display: No memory reserved for names.
SYS1064	Caller's Name Display: Cannot find TN for dumped name.
SYS1065	Caller's Name Display: Name is loaded for TN that has no CND data.
SYS1066	Caller's Name Display: Corruption during stealing from name pool.
SYS1067	Caller's Name Display: Trying to dump CND data for non-existent attendant.
SYS1068	Caller's Name Display: Cannot find secondary attendant block.
SYS1069	Caller's Name Display: Trying to dump a monitored area title for a customer that does not exist.
SYS1070	Caller's Name Display: Cannot set up display group table.
SYS1082 adon	Tape contains VNET package but is missing CR_ADDON package. Any networking call attempts will fail.
SYS1083	Digit buffering is not supported and outpulsing rate is reset to 100 ms.

SYS3000 c	Customer c missing from Call Park block. Cannot load block.
SYS3001 c	Cannot build DN because DN information is missing from Call Park block for customer c.
SYS3002 c dn	Cannot build the remainder of the Call Park DNs for Customer c. dn is failed DN.
SYS3003	Speed call list is partially missing.
SYS3004	Cannot build DN for ESN test maintenance lines.
SYS3005	Fatal. Conversion was not done properly. Wrong generic/release.
SYS3006	Conversion flag not set.
SYS3007	SCC data table is required.
SYS3008	Card density on storage medium is greater than configured loop density.
SYS3009	Card density in protected card block does not equal the card density on storage
SYS3010	Encountered card block with wrong card type.
SYS3011	The expected number of card records not received from storage medium.
SYS3012	A higher density loop has a lower density card record for upper units.
SYS3013	ADM trunk type not supported. Route or trunk data block discarded.
SYS3015	Unable to allocate Protected Data Store (PDS) for set relocation.
SYS3016	Unable to allocate PDS for History File.
SYS3017	Unable to allocate PDS for tone detector block.
SYS3018	File LAST missing from tape list.
SYS3019	Multiple Office Code/DID ranges block found with no location code.
SYS3020	There is a Multiple Office Code and DID ranges block for a location code that does not have a MNXX block defined. MNXXX was allocated anyway.
SYS3021	The pointer to MNXXX block was not nil (possibly two MNXXX blocks for this location code).
SYS3022	There is a Multiple Office Code and DID ranges block for a location code but the length is zero.

SYS3024	Data block can only be loaded when DTI package is selected. on code but the length is zero.
SYS3025	Data block can only be loaded when AMP package is selected.
SYS3026	Attempt to allocate pds for Tenant Data Block failed.
SYS3027	Block header customer number too large.
SYS3028	Block header route number too large.
SYS3029	Block header tenant number too large.
SYS3030	Tenant data blocks out of order, presumed missing.
SYS3031	Essential tenant data blocks are missing. Sysload disabled tenant service.
SYS3032	Tenant service package restricted but tenant data block detected.
SYS3034	Tenant service should not be packaged with mini-CDR.
SYS3035	Digital set data block cannot be loaded when digital set package is not equipped.
SYS3036	M3000 data block cannot be loaded when M3000 package is not equipped.
SYS3037	The first part of an atm schedule block was lost.
SYS3038	MSI Hardware register fault.
SYS3039	BG TIME/CATEGORY block without AUX CUST BLK.
SYS3040	AWU time on the TN has been erased.
SYS3041	SLST package not allowed on SL-1 N machine. Trap is called.
SYS3042	Two supervisors have a NSVC key assigned for this ACD-DN.
SYS3043	The ACD NSVC key is assigned to an invalid ACD-DN.
SYS3044	The ACD NSVC key is assigned to an agent's station.
SYS3045	The NSVC key is assigned to an illegal DN lamp key.
SYS3046	Cannot allocate memory space for Speed Call List header table.
SYS3047	Automatic conversion is not available for a given data base. Data base on tape is not updated to minimum release.

- SYS3048 Expecting an extension block on tape which is not there.
- SYS3049 An illegal extension block is read by the tape. Block that has been read is not is not an extension of the previous block.
- SYS3050 The primary block is missing from the tape. The extension block read from the tape needs a primary block.
- SYS3051 Cannot load FTC data block if FTC is not packaged.
- SYS3052 Cannot get Protected Data Block for Auxiliary Customer Block.
- SYS3053 Cannot get Protected Data Block for creating Table 0.
- SYS3054 Mini CDR module is entered when either DNXP or CDRE is present. Mini CDR is not supported when either DNXP or CDRE (or both) are present.
- SYS3055 Digital Set Package not equipped.
- SYS3056 Customer ID for given Prexl_block is out-of-range.
- SYS3057 Customer data block does not exist for given prexl_block.
- SYS3058 System out of memory. Cannot create storage for prexl_block because no more PDS available.
- SYS3060 c zz ss DN's hundreds group conflict with a shorter hundreds group.
Where:
c = customer number
zz = conflicting hundreds group
ss = is the shorter existing group
- SYS3061 c xx yyyy This DN's hundreds group conflicts with a different hundreds group within this data base.
Where:
c = customer number
xx = conflicting hundreds group
yyyy = is the longer existing group
- SYS3062 Private DN has already been defined as non-private DN line set up fail.
- SYS3063 FGD package is restricted; FGD block could not be loaded.

SYS3064	FGD block number exceeds length of list allocated.
SYS3065	Unit number of MFVE receiver not zero or one.
SYS3066	Unit number of MFR receiver is not zero.
SYS3067	Cannot allocate P_NKDM_TABLE for given customer. Action: Remove unnecessary configuration, make sure customer really needs IDC.
SYS3068	Fatal error: no space for the conversion program.
SYS3069	Fatal error: the conversion program is not on the storage medium.
SYS3070	Fatal error: Conversion error: wrong version or wrong storage medium issue.
SYS3071	CPND NAME dn A CPND name associated with the given DN was not loaded into memory because it was too long, invalid or there was not enough protected data store available. Action: Re-enter the name in LD 95. If there are many of these messages then evaluate the available protected data store.
SYS3072	Block index is out-of-range for given ovflw_index_block.
SYS3073	Block index does not correspond with given ovflw_index_block. Block index is within range but it does not match with given ovflw_index_block.
SYS3074	Ran out of memory. Cannot allocate PDS for AUTH_TABLE_block.
SYS3076	No more PDS. Cannot allocate PDS for ATM_Sch_Blk.
SYS3077	No more PDS. Cannot allocate PDS for Cust_ATM_MHT block
SYS3078	Cust ID out-of-range. ATM_Sch_Blk customer ID is out-of-range of cDataPtr.
SYS3079	Customer Data is missing. No customer data exist for given cust ID for ATM_Sch_Blk.
SYS3080	Hour given is out-of-range. ATM_Sch_Blk number of hours out-of-range of 24 hours.
SYS3081	The value of printer is NIL. No ATM_Sch_Root_Ptr exist for given Cust_ID.
SYS3082	No more protected data store. Cannot allocate PDS for ATM_Sch_Rovt_Ent block.

SYS3084	Unable to allocate head/sub-head table block for FGD ANI data
SYS3085	No NPA block exists to which Nxx block can attached.
SYS3086	No NXX block exists to which SUB block can be attached.
SYS3087	The block number read is greater than expected.
SYS4007	LLC data block found but feature is not packaged. Data block not loaded into the system.
SYS4009	Cannot allocate memory for PNI Table. Action: Check the Memory card.
SYS4010	Cannot allocate memory for PNI customer table. Action: Check the Memory card.
SYS4011	Cannot allocate memory for PNI count table. Action: Check the Memory card.
SYS4012	MAX_DGT_MAN_TBLS equal .MAX_DM_TBLS. The system cannot automatically create a new home location code (HLOC) digit manipulation index. (DMI). Action: Manually use LD 86 and 90 to create the DMI for HLOC.
SYS4013	Patch block error.
SYS4014	Aries set data block cannot be loaded when Aries set package is not equipped.
SYS4015	SYS custno out-of-range. The cust ID of ICI Table Block is bigger than the size of cDataPtr.
SYS4016	No customer data block exists for given cust ID, of ICI Table block.
SYS4017	No protected data store exists to allocate a new ICI table block.
SYS4020 c r t	INC CMF TBL in non VNET route has been zeroed, Where: c = customer number r = a route number t = an incoming CMF signaling table associated with the route

SYS4021 c r t	ISST TBL in non VNET route has been zeroed. Where: c = customer number r = route number t = an incoming supplementary service table associated with the route
SYS4023	Unable to free unused PS for later PDS use.
SYS4024 x	"x" 256W chunks of memory are available.
SYS4025	Only top 256 elements of MS were saved when moving STK or adjusting its size.
SYS4026	Only top 256 elements of RAS were saved when moving STK or adjusting its size structures.
SYS4033	Loop block not allocated due to cap limit.
SYS4034	Duplicate clock source option.
SYS4035	Card block not allocated due to cap limit.
SYS4036	Page 5 option set, bug logical Page 509 not on Page 5. No memory enhancement performed (XN and L only).
SYS4038	MSM package is not equipped.
SYS4040	5 or 6 Hunt and Night DNs, and all Display DNs have been removed because the ENP package is not equipped.
SYS4041	Display DNs are being removed because the customer does not have EDN option selected.
SYS4100	The ICDR data exists on the system tape but the ICDR package is disabled for the software active on the switch. All telephone sets and attendant console's ICDR options are removed.
SYS4101	The MCT data exists on the system tape but the MCT packages is disabled for the software active on the switch. MCT options have been reset.
SYS4102	Tape contains Enhanced Hot Line data but EHOT package is not equipped.
SYS4103	Hot Line Package must exist for EHOT package to be enabled.

SYS4105	This extension and all following extensions have been removed by Capacity Admin.
SYS4106	This PSTRN trunk and all following PSTN trunks have been removed by Capacity Admin.
SYS4107	This attn and all following attns have been removed by Capacity Admin.
SYS4108	Total number of extns removed by Capacity Admin.
SYS4109	Total number of PSTN trunks removed by Capacity Admin.
SYS4110	Total number of attendants removed by Capacity Admin.
SYS4111	Pilot DN block exists but tape is not equipped with GPHT package. PCBs are not loaded.
SYS4112 nn	More than 16 logical units cannot be configured. Therefore TTY "nn" is no longer configured.
SYS4200	Network Attendant Service (NAS) schedule block found on disk, but the NAS package is restricted. NAS data was not loaded.
SYS4201	One of NARS, NCOS or BRTE package required by Network Attendant Service (NAS) is restricted. NAS data was not loaded.
SYS4202	Warning: the disk is equipped with Network Attendant Service (NAS) and at least one of Attendant Overflow Position (AOP), Centralized Attendant Service Main (CASM) or CAS Remote (CASR). These packages are mutually exclusive. If the customer is using NAS, the AOP, CASM and CASR packages should be restricted.
SYS4203	P_AUX_CDB is missing for the Network Attendant Service (NAS) schedule block to be loaded. NAS data was not loaded.
SYS4204	The SDI_RECORD cannot be loaded or allocated during SYSLOAD.
SYS4205	Data can only be loaded when PRI2 package is selected.
SYS4206	Data can only be loaded when PRI2 or DTI2 package is selected.
SYS4207 c	No memory block (PDS) for Console Presentation Group (P_cpg_data_blk) during conversion. Attendant parameters for customer c are lost.

SYS4209	BKGD Port ID of "IS" changed to its ASCII equivalent "01". This was done because the previously defined BKGD port of "IS" conflicts with a new message type in the Hospitality Voice Services (HVS) feature. Action: Continue to use the new port ID or "01", or change it to another valid ID. This error does not inhibit a subsequent data dump.
SYS4210 xxx	Where xxxx can be one of the following codes: 216 DDSL number exceeds length of list allocated 563 Bad DPNSS channel block (data is lost) These codes correspond to SYS216 and SYS563 on SLX systems.
SYS4211	CPG number is out-of-range (1-63).
SYS4212	Customer number for CPG data block is out-of-range (0-99).
SYS4213	CPG (1-63) data block found but the CPG basic package (CPG_BAS_PACKAGE) is not equipped.
SYS4214	No Protected Data Store (PDS) to allocate the CPG data block.
SYS4215	No Protected Data Store (PDS) to for CPG0 data block at SYS2 wrap up time.
SYS4216	The protected CPG pointer block is nil (DNXL module) for a configured customer.
SYS4217	Customer configured, no CPG0 data block SYS2 will recover with the default values.
SYS4218	ATL package not equipped.
SYS4219	Cannot find the ACD Block for this Target Table.
SYS4220	Invalid DN for this NACD Target Table.
SYS4221	I s c u find the ACD Block for this Source Table.
SYS4222	Invalid DN for this NACD Source Table
SYS4223	Not enough Protected Data Store to set up FSNS pointer block.
SYS4224	More than one FSNS XXX block was found for the same customer, index and NPA.
SYS4225	The FSNS index record header was found to greater than the maximum value which is stored in the ESN data block.

SYS4226	Missing MCAD_TABLE entries on FTC conversion. Cadence data will be set to the defaults.
SYS4227	Cannot get Protected Data to create a new MCAD ENTRY table. Cadence data will be set to the defaults.
SYS4301	Aries data block cannot be loaded unless the Aries Package is equipped.
SYS4304	The system has found some corrupted LAPW data.
SYS4305	The root pointer is not set. The LAPW data will not be loaded.
SYS4306	The LAPW package is not equipped. The LAPW data will not be loaded.
SYS4307	PLDN package is not equipped; data has been cleared.
SYS4308	Bad data encountered while loading DN_GHBLK.
SYS4309	Unable to allocate PDS GPHT data block.
SYS4310	Bad data encountered while loading SCL_P_GHBLK.
SYS4311 I s c u	The key template for the SL-1 set at this TN is missing. The data block cannot be loaded. Action: The set must be redefined.
SYS4312	Attendant Alternative Answering (AAA) and Attendant Forward No Answer (AFNA) are mutually exclusive.
SYS4313	When a disk with IMS data and packages has been dumped to disk, and an IMS package is missing, then two SYS4313 messages are output on SYSLOAD instead of SYS0802.
SYS4314 PRI2 loop	Conversion of PRI2 data block is not provided.
SYS4315	The Automatic Number Identification package (ANI) package 12 is not equipped. The data has been lost.
SYS4317	Use another data base. The data base on tape is developmental, before the final issue.
SYS4318	1.5 and 2.0 REP cannot co-exist, 2.0 is removed.
SYS4319	No RPE2 package. RPE2 not loaded.
SYS4320	CASM package 26 is not allowed on this machine type.

- SYS4321 CASR package 27 is not allowed on this machine type.
- SYS4322 Dedicated trunks can not be assigned to an ISA service route.
- SYS4323 The step flag is turned off. Stepping to an ISA route is not allowed.
- SYS4324 The step flag is turned off. Stepping to an ISA service route is not allowed.
- SYS4325 The step flag is turned off. Stepping to a non-existing route is not allowed.
- SYS4326 l s c A card number has been found during SYSLOAD which is out-of-range. Valid card numbers are listed here:
ENET: 1 - 10
Network/DTR card (NT8D18): 0-9 and 15
Network (NT8D04) card: 0-15
- SYS4327 DO NOT DATADUMP This TN is greater than the limit and cannot SYSLOAD. DO NOT DATADUMP. SYSTEM INFORMATION WILL BE LOST.
Action: Order new disks with expanded limits.
- SYS4328 DO NOT DATADUMP This ACD Agent/Supervisor is greater than the limit and cannot SYSLOAD. DO NOT DATADUMP. SYSTEM INFORMATION WILL BE LOST.
Action: Order new disks with expanded limits.
- SYS4329 DO NOT DATADUMP This ACD DN is greater than the limit and cannot SYSLOAD. DO NOT DATADUMP. SYSTEM INFORMATION WILL BE LOST.
Action: Order new disks with expanded limits.
- SYS4330 DO NOT DATADUMP This AST set is greater than the limit and cannot sysload. If you datadump, system information will be lost.
Action: Order new disks with expanded limits.
- SYS4332 The IFC type of the ISA service route and the ISA route do not match.
- SYS4333 The ISDN package is restricted in this event. You cannot load the DCH number.
- SYS4334 The PRA package is restricted. You cannot load the DCH number.
- SYS4335 The DCH mode is dedicated in the ESL mode, and the ESL package is restricted. You cannot load the DCH number.
- SYS4336 This telephone set is declared incorrectly as an ACD Agent station.

- SYS4337 The ACD_POS_LST_PTR for the ACD-DN is not set correctly.
- SYS4338 xxxx yyyyyy ACD Package A is not equipped. The FFC package cannot be loaded for ACD 500/2500 sets.
- Where:
- xxxx = FFC type (LILO or NRDY)
- yyyyyy = FFC that will not be loaded
- SYS4339 The Virtual Network Service (VNS) data block cannot be loaded.
- SYS4340 DNs cannot be built because the DN information is missing from the Virtual Network Services (VNS) data block.
- SYS4341 The rest of those DNs cannot be built because there is no valid Customer Block existing.
- SYS4342 RPA data lost; RPA package is not equipped.
- SYS4343 RPA data lost; nil cust_no/ffc/rpa_dn pointer.
- SYS4344 RPA data lost; corruption in ffc rpa system parameter block.
- SYS4345 This customer lost the SDAC data because neither the SUPP nor PRTRANS packages are equipped.
- SYS4346 The ISDN International package is restricted from that operation. The TSYNC data is not loaded.
- SYS4347 c The DN information for this customer is missing. The system cannot build a DN in the data base. Where: c = Customer number
- SYS4348 The Time Synchronization (TSYNCH) package has been found, but the International ISDN supplemental features are restricted from its use. The TSYNCH data is not loaded.
- SYS4349 c You cannot build a TSYNCH DN, because the DN information for that customer (c) is missing.
- SYS4350 Hospitality IDC tree block not loaded since Hospitality package is unequipped
- SYS4351 Hospitality IDC tree block is not loaded.
- SYS4352 Hospitality package is removed since some of the packages it requires are missing.

SYS4353	Hospitality Authcode block is not allowed.
SYS4356	Mini-CDR is not allowed on Option 11 machines. The package has been disabled.
SYS4357	The Remote Peripheral Equipment (RPE) package is not allowed on Option 11 machines. The package has been disabled.
SYS4358	The RPE2 package is not allowed on Option 11 machines. The package has been disabled.
SYS4359	Program type in the program header is invalid.
SYS4360	Conflicting information found in program header.
SYS4361	Overlay number in program header is out-of-range.
SYS4362	No program ROM was found.
SYS4363	Checksum on program ROM failed.
SYS4365	Fatal error: DNXL program not found on the storage medium.
SYS4366	Fatal error: SYS4 program not found on the storage medium. SYS4366 is only on the X81 stream at this time.
SYS4367	FATAL ERROR: If any of the packages listed below are equipped, the QPC948B ROM must be used. This message will always be given in conjunction with a SYS0088 message. The packages are: IDA, DPNSS, and DASS. This message applies to the ST machine only.
SYS4368	FATAL ERROR: The DNXL program cannot be found on the storage medium.
SYS4369	FATAL ERROR: The SYS4 program cannot be found on the storage medium.
SYS4370	FATAL ERROR: You must use QPC948B ROM if any of the following packages are equipped: IDA, DPNSS and DASS.
SYS4371	RPA data lost: in proc rpax_parm_blk; dnxlptr is nil.
SYS4372	rpa data lost; in proc rpax_parm_blk; rpa_ffc_parm_ptr already exists.
SYS4373	RPA data lost; in proc rpax_parm_blk; not enough memory for rpax parameter blk.
SYS4374	RPA data lost; in proc rpsys_head_blk; rpa_system_ptr: p_aux_cust_hdr not nil, data already exists.

SYS4375	RPA data lost; in proc rpassys_head_blk, not enough memory for rpa_system_blk or system parameter block.
SYS4376	RPA data lost; in proc rpassys_parm_blk, rpa_system_ptr: p_aux_cust_hdr is nil.
SYS4377	RPA data lost; in proc rpassys_parm_blk,rpa_system_parm_ptr[]: sys_head_ptr not nil. Data already exists.
SYS4378	RPA data lost; in proc rpassys_parm_blk, not enough memory for rpa traffic block.
SYS4379	RPA data lost; in proc rpa_dnpsa_tree, not enough memory for rpa dn block or dn-psa block.
SYS4380	RPA data lost; in proc rpa_dnpsa_tree, digit should not be 0.
SYS4381	RPA data lost; in proc rpa_dnpsa_tree, result from rpa_trans is not.rpa_invalid_dn.
SYS4382	RPA data lost; in proc rpa_trans, dnxlptr is nil or digit_count is greater than the maximum size of digit corruption in dn psa tree.
SYS4383	RPA data lost; in proc valid_ffc, wrong data type.
SYS4384	PGIP and PGSP FFCs will not be rebuilt when loading phase 6.65 and up.
SYS4385	Data block is unusable. It was dumped on an issue prior to 6.67; data lost.
SYS4387	Cannot get pds for the idc name block.
SYS4391	1.5 Mb/s DTI/PRI pad category table data can only be loaded when GPRI package (167) is equipped.
SYS4392	SCART/SCORE site ID different.
SYS4393 x	Due to the Security Cartridge feature Flash ROM on device x has failed checksum: Where: x = 4 indicates cartridge Flash ROM x = 8 indicates SCORE Flash ROM
SYS4394 x	Cannot find a directory record on device x. Where: x = 4 indicates cartridge Flash ROM

x = 8 indicates SCORE Flash ROM

Action: If x is not shown, then system should not load. Contact the manufacturer.

SYS4395 Unable to read control record.

SYS4396 Reserved.

Action: Contact your technical support group.

SYS4397 Both Flash ROMs failed checksum.

SYS4398 Flash interface not idle.

SYS4399 Security check failed.

SYS4400 Could not post-process Digital DPNSS Signaling Link (DDSL).

SYS4401 Analog Private Network Signaling System (APNSS) TN lost.

SYS4402 FAXS package is removed because EES package is not equipped.

SYS4403 MSDL/MISP master table does not exist or cannot be allocated.

SYS4404 MSDL/MISP index is invalid.

SYS4405 AMP package 78 is not allowed on this machine type.

SYS4406 MFC package 128 is not allowed on this machine type.

SYS4407 MFE package 135 is not allowed on this machine type.

SYS4408 L1 package 188 is not allowed on this machine type.

SYS4409 RPA package 187 is not allowed on this machine type.

SYS4410 X25 package 153 is not allowed on this machine type.

SYS4411 Prerequisite package is missing during a sysload with EMCT package. EMCT package is restricted.

SYS4412 x The I/O address of port x is the same as a previously built port. Port x will be taken out of the configuration record (LD 17).

Action: Check for any data corruption or conversion problems.

SYS4413 The number of DSLs has reached the limit. No further DSLs can be loaded.

SYS4414 Cannot allocate protected storage.

SYS4415	Cannot find Digital Subscriber Loop (DSL) data.
SYS4416	Basic Rate Interface (BRI) package restricted.
SYS4417	MISP cannot be associated with line card because protected loop data block for the card does not exist.
SYS4418	MISP cannot be associated with line card because protected card data block for the card does not exist.
SYS4419	Cannot find USID map.
SYS4420 dn	WARNING: Multiple TNs associated with BRI DN.
SYS4421	The number of Logical Terminal IDs has reached the limit. No further LTIDs can be loaded.
SYS4422	JDMI package 136 is not supported on this machine type.
SYS4423 CUST x DN xx	During DN translation in sysload, no MARP or more than one MARP was found in the database for DN "nnnn" in customer "x". Only one MARP should be defined for a DN. The MARP database information for TN "l s c u" has been corrected and a default MARP TN selected for the DN. This corrected database can be saved or altered further by service change before saving with a data dump.
SYS4424	Invalid ROM version. Install ROM for X11 Release 18.
SYS4425	WARNING: Memory auto configuration has occurred. Verify that the installed memory agrees with the tested memory. Output: MEMORY AUTOCONVERSION MTYP xxxx xxxx xxxx MEMORY MAX ADDRESS IS yyyy Where: xxxx = memory type configured (768, 1MEG, etc.) yyyy = highest configured address (i.e. 1FFFFF for 2Meg) Action: Adjust MTPY prompt in LD 17 if multiple cards are in use.
SYS4426	MSDL/MISP master table does not exist or cannot be allocated. Output:pMSDL/ MISP {msdlmisp index in decimal}.

SYS4427	MSDL/MISP index is invalid. Output: pSYS4427pMSDL/MISPp{msdlmispindexpinpdecimal}.
SYS4428	MSDL/MISP MSDL_MISP_BLOCK does not exist. Output: pSYS4428pSIDpBLKp{msdlmispindexpinpdecimal}.
SYS4429	Conv: No memory is available. Cannot allocate the phy_dump_array structure.
SYS4430	Conv: No memory is available. Cannot allocate the p_async_block structure.
SYS4431	SYS4431 = Conv: The conversion of ESDI asynchronous data block failed, because the corresponding P_ASYNC_BLOCK cannot be found, due to a database corruption.
SYS4432	Conversion of CSL failed: The ESDI parameter download data block is missing from the database.
SYS4433	SYS4433 = Conversion of CSL failed: The ESDI parameter download data block is not set up for the synchronous mode.
SYS4434	Conv: The required entry in DUMP_CARD_TYPE structure is not free and is in use by another IO unit. Output: INDX: {occupied physical address in decimal} . CARD: {card type in decimal. This is the card type occupying the entry, which we assumed to be free.}
SYS4435	Conv: The XSM is lost because the SDI data block was not previously created, due to an earlier error.
SYS4436	The block PHY_ARRAY is missing. It must exist and should have been loaded from tape. Therefore this is a database corruption.
SYS4437 SDI x	The P_SDI_BLK_PTR pointer is nil for the given logical SDI number in decimal. This indicates one of the following: 1. Corruption in the configuration record 2. Corruption in the P_SDI_BLK_PTR To be consistent, CONFIGTTYOP is zeroed out for the specific device.
SYS4438	Corrupt database. Bad card type. Only SDI, SDI2, XSDI, SDI4, DCHI and MSDL cards are allowed for asynchronous IO. Output: CARD: {card type in decimal} SDI: {sdi number in decimal}

- SYS4439 SDI x The P_SDI_BLK_PTR pointer is nil for the given SDI number in decimal. This indicates one of the following:
1. Corruption in the configuration recordCorruption in the P_SDI_BLK_PTR
 2. To be consistent, CONFIGTTYOP is zeroed out for the specific device.
- SYS4440 Procedure GET_PHY_BLK failed: dev_no is not valid. Output:
- LU TYPE: {logical application type in decimal}
- LOG NUM: {logical application number in decimal}
- DEV NUM: {physical device number in decimal}
- PRIO NUM: {IO polling table priority number in decimal}
- OPTION: {optional parameter in decimal}
- SYS4441 Procedure GET_PHY_BLK failed: port_no is not valid. Output:
- LU TYPE: {logical application type in decimal}
- LOG NUM: {logical application number in decimal}
- DEV NUM: {physical device number in decimal}
- PRIO NUM: {IO polling table priority number in decimal}
- OPTION: {optional parameter in decimal}
- SYS4442 Procedure GET_PHY_BLK failed: Too many TTY, printer, DCH, AML or MSDL units. Output:
- LU TYPE: {logical application type in decimal}
- LOG NUM: {logical application number in decimal}
- DEV NUM: {physical device number in decimal}
- PRIO NUM: {IO polling table priority number in decimal}
- OPTION: {optional parameter in decimal}
- SYS4443 Procedure GET_PHY_BLK failed: Undefined logical application type. Output:
- LU TYPE: {logical application type in decimal}
- LOG NUM: {logical application number in decimal}
- DEV NUM: {physical device number in decimal}
- PRIO NUM: {IO polling table priority number in decimal}
- OPTION: {optional parameter in decimal}

SYS4444	Procedure GET_PHY_BLK failed: Cannot allocate PDS for the physical IO block. LU TYPE: {logical application type in decimal} LOG NUM: {logical application number in decimal} DEV NUM: {physical device number in decimal} PRIO NUM: {IO polling table priority number in decimal} OPTION: {optional parameter in decimal}
SYS4445	Procedure GET_PHY_BLK failed: Too many loop devices and serial card devices. Output: LU TYPE: {logical application type in decimal} LOG NUM: {logical application number in decimal}= DEV NUM: {physical device number in decimal} PRIO NUM: {IO polling table priority number in decimal} OPTION: {optional parameter in decimal}
SYS4446	Procedure GET_PHY_BLK failed: Cannot find the physical IO block previously allocated. Output: LU TYPE: {logical application type in decimal} LOG NUM: {logical application number in decimal} DEV NUM: {physical device number in decimal} PRIO NUM: {IO polling table priority number in decimal} OPTION: {optional parameter in decimal}
SYS4447	Procedure GET_PHY_BLK failed: The port is already in use by another application. Output: LU TYPE: {logical application type in decimal} LOG NUM: {logical application number in decimal} DEV NUM: {physical device number in decimal} PRIO NUM: {IO polling table priority number in decimal} OPTION: {optional parameter in decimal}
SYS4448	The MSDLMISP socket ID data structures do not exist.
SYS4449	Database corruption. The P_ESDI_TBL_HDR is nil. Output: CSL {esdi number in decimal}.

SYS4450	Database corruption. The content of pointer P_ESDI_BLK_PTR[ESDI_PORT_NO]: P_ESDI_TBL_HDR is nil. Output: CSL {esdi number in decimal}.
SYS4451	The given AML number is removed from the VAS list belonging to the given VAS number, since the protected AML data block belonging to the given AML number, does not exist. Output: VAS {vas number in decimal}.
SYS4452	Corruption: The ESDI block number 49 is removed from X11 Release 18. It is not allowed to exist in X11 Release 18 and later, databases. Output: ESDI {esdi number in decimal}.
SYS4453	Corruption: The CSL block number 50 is removed from X11 Release 18. It is not allowed to exist in X11 Release 18 and later, databases. Output: AML {aml number in decimal}.
SYS4454	Corruption. The PHY_BLK_PNTR is nil. The pointer should point to PHY_ARRAY and must have been loaded from tape previously. As a result the given AML block is disregarded. Output: AML {aml number in decimal}.
SYS4455 x	Warning: AML x is not loaded because the address is occupied by a previously loaded device. X11 Release 17 and earlier can configure an unused ESDI AML on top of an existing port. X11 Release 18 and later removes the unused ESDI.
SYS4456	The logical IO table header for csl_log_appli type for the given logical AML number cannot be set up. As a result the given AML block is disregarded. Output: AML {aml number in decimal}.
SYS4457	The X25 block type (i.e., block 75) is no longer supported. Output: X25 {X25 number (i.e., esdi number) in decimal}.
SYS4458	The logical master head IO tables cannot be allocated due to lack of memory. As a result the given DCH block is disregarded. Output: DCH {dch number in decimal}.
SYS4459	The AML number is out-of-range. Output: AML {aml number in decimal}.
SYS4460	The SDI number is out of range. Output: SDI {sdi number id decimal}.
SYS4461	Warning: Since the physical dump array block is not loaded from tape then it is created blindly. The reasons that the block is missing from the tape are: 1. Conversion from Release 17 to 18 failed.

2. The tape has only the minimum database (i.e., only the configuration record and no other database). This last case is not a database conversion or loading corruption and is normal.

SYS4462	Failed to allocate memory for logical master head I/O table, or failed to allocate memory for the physical DUMP_CARD_TYPE structures.
SYS4463	Failed to allocate memory for P_ASYNC_BLOCK structure. Output: INDX: {sdi number in decimal}.
SYS4464	The asynchronous application type is not allowed on the ESDI card type starting from RLS 18. Output: INDX: {sdi number in decimal}.
SYS4465	Warning: Since the card type for the given SDI application type was bad, the memory previously allocated for the given SDI application type, is released. Output: INDX: {sdi number in decimal}.
SYS4466	Warning: Since user types are defined but their logical SDI data structures do not exist, due to a corruption, the user types are cleared from the configuration record data structure. Output: INDX: {sdi number in decimal}.
SYS4467 XSDI	Block type number 93 is no longer supported starting from X11 Release 18.
SYS4468 XSDI	Out of PDS to allocate SDI_MHT_BLK block type.
SYS4469	The History File cannot be allocated, because of package restriction, or because there is no more space in the I/O polling table.
SYS4470	ISM limit for the D-channel is reached. The total D-channels configured on the existing database, is more than the number the customer is allowed to have. Output: DCH {dch number in decimal}.
SYS4471	ISM limit for the AML is reached. The total AML links configured on the existing database, is more than the number the customer is allowed to have. Output:pAMLp{aml number in decimal}.
SYS4472	Both MSDL and BRI packages are restricted, so the data associated with the MSDI or MISPL cards is not loaded.
SYS4473	The block type_sid_blk (#104) cannot be loaded since the MSDL_PACKAGE number 222 is restricted. Output: SID BLK {msdlmisp index in decimal}.
SYS4474	Corrupt database. Bad card type. Only DCHI and MSDL cards are allowed for DCH links.

	Output: CARD: {card type in decimal} DCHI {dch number in decimal}
SYS4475	Corrupt database. Bad card type. Only ESDI and MSDL cards are allowed for AML links. Output: CARD: {card type in decimal} AML {aml number in decimal}
SYS4476	FNPP package not equipped, cannot load DTAD data.
SYS4477	FC68 package 223 and Japan Trunk package 97 are mutually exclusive. FC68 package is turned off automatically.
SYS4478	TN is thrown out because the size of the protected TN block has exceeded 255 words.
SYS4479	Fatal error: The SYSPP program cannot be found on the storage medium.
SYS4480	Cannot allocate memory for a group I/O table.
SYS4481	The Network Call Pickup package has been restricted because some or all of its prerequisite packages are not equipped.
SYS4488	WARNING: The ARDL package (304) and the OPAO package (104) are mutually exclusive. ARDL package is turned off automatically.
SYS4500 x	Skipping slot x. Cannot calculate address to check for CP with cable.
SYS4501 x	Skipping slot x. Cannot get card ID.
SYS4502	Timeout waiting for response from remote CP. Action: Check that both CPs have the same number of SIMMs.
SYS4503	Remote processor is not CP. Action: Be sure remote processor is CP.
SYS4504	CP redundancy impossible. No CP to CP cable.
SYS4505	CP redundancy impossible. There is no remote power. Action: Check the CE power supply on remote Core module. Be sure the CP to CP cable is properly connected.

SYS4506	CP redundancy impossible. Both shelves have the same ID. Action: Set the JB4 jumper on the backplane so both sides match.
SYS4507	CP redundancy impossible. Both switches are in MAINT. Action: Check that at least one of the CP Norm/Maint switches is in Norm mode (up).
SYS4508	CP single mode: could not synchronize CSA space.
SYS4509	Could not set CP semaphore bit (side x).
SYS4510	CP single mode: memory shadow test failed. Action: Reseat or replace the Standby CP.
SYS4511 x	Cannot open BIC window (slot x). Cannot check for CP cable.
SYS4512 x	Cannot close BIC window (slot x).
SYS4513 x	Could not get CP semaphore bit (side x).
SYS4514 x	Skipping slot x, cannot calculate address to see if CP bit is set.
SYS4515	Unable to find the active CMDU.
SYS4516	Unable to find the diskos.sym file.
SYS4517 x	Switching from CPU x to preferred side.
SYS4520	Cannot get available memory for SL-1 Memory Control from Memory management. Sysload fails due to lack of memory.
SYS4521	Cannot turn on memory protection. Input address is invalid.
SYS4522	Cannot turn off memory protection. Input address is invalid.
SYS4523 yyyy mm dd hh:mm:ss	HD0 Database data dumped yyyy/mm/dd hh:mm:ss.
SYS4525 yyyy mm dd hh:mm:ss	HD0 Database data dumped yyyy/mm/dd hh:mm:ss.
SYS4527 iiii dd/mm/yyyy hh:mm:ss rr	This message refers to the X11 release and issue (iiii), date and time (dd/mm/yyyy hh:mm:ss) and size (rr) of the database to be sysloaded. The date and time indicate when the file was last written.
SYS4528 yyyy mm dd hh:mm:ss	HD Database data dumped yyyy/mm/dd hh:mm:ss.

SYS4529 yyyy mm dd hh:mm:ss FD0 Database data dumped yyyy/mm/dd hh:mm:ss.

SYS4530 yyyy mm dd hh:mm:ss FD1 Database data dumped yyyy/mm/dd hh:mm:ss.

SYS4531 During conversion, XTD and/or RDB DFQ has been changed to XTDT.

Action: Consult NTPs and LD 97, LD 20 and LD 21 to ensure that configuration is as desired for XTD operation.

SYS4532 The CPSI entry cannot be allocated; the limit for SIO devices has been reached.

SYS4533 Cannot allocate protected data store for XTD table. Table not loaded.

SYS4534 Warning: IEN package or SACP package not equipped. Configured IEN ICI keys are removed. Procedure REMOVE_IEN_ICI (module SYSPPP).

SYS4535 Warning: IEN Block Timer is reset to its default value because SACP or NAS package is not equipped.

SYS4538 Inconsistencies in boundaries of previous SL1 load.

SYS4539 Inconsistencies in boundaries of previous OVL load.

SYS4540 Error loading SL-1 file into memory.

SYS4541 Error loading overlay file into memory.

SYS4542 Error in loading, last address {n}.

SYS4543 Error returned from segInit2{n}.

SYS4544 Error getting dloPathFileName for ovlres.

Action: Reload the system with the Manual Reload button. Reinstall software from installation disks.

SYS4545 Unable to open {file name}.

Action: Reload the system with the Manual Reload button. Reinstall software from installation disks.

SYS4546 Error sl1_start_addr {n}, last sl1_prot_address {x}.

SYS4547 Error initializing SL-1 pool and data area.

SYS4548 Error getting dloPathFileName for ovlres.

Action: Reload the system with the Manual Reload button. Reinstall software from installation disks.

SYS4549	Unable to open {file name}. Action: Reload the system with the Manual Reload button. Reinstall software from installation disks.
SYS4550	Error in loading, last SL-1 address {n}.
SYS4551	Overlay start address {n} overlaps end of SL-1 area {x}.
SYS4552	Error ovl_start_addr {n}, last_ovl_prot_addr {x}.
SYS4553	Error initializing overlay data area.
SYS4554	Error calling ovlres entry.
SYS4555	Invalid parameter to ldrNextPage, address {n}.
SYS4556	Seek error while loading (OVL or INSTALL) code file.
SYS4557	Error reading a_out header from file (OVL or INSTALL). Action: Reload the system with the Manual Reload button. Reinstall software from installation disks.
SYS4558	Invalid a_out header in file.
SYS4559	Error reading link header. Action: Reload the system with the Manual Reload button. Reinstall software from installation disks.
SYS4560	Invalid link header in file.
SYS4561	Module not linked to page boundary.
SYS4562	Seek error while loading (OVL or INSTALL) code file. Action: Reload the system with the Manual Reload button. Reinstall software from installation disks.
SYS4563	Error reading a_out header into memory (OVL or INSTALL). Action: Reload the system with the Manual Reload button. Reinstall software from installation disks.
SYS4564	Error reading text segment from disk into memory (OVL or INSTALL). Action: Reload the system with the Manual Reload button. Reinstall software from installation disks.

SYS4565	Error reading data segment from disk into memory (OVL or INSTALL). Reload the system with the Manual Reload button. Action: Reinstall software from installation disks.
SYS4566	Seek error while loading SL-1 code. Action: Reload the system with the Manual Reload button. Reinstall software from installation disks.
SYS4567	Error reading a_out file from SL-1 file. Action: Reload the system with the Manual Reload button. Reinstall software from installation disks.
SYS4568	Invalid a_out header in SL-1 file.
SYS4569	Error reading link header from file. Action: Reload the system with the Manual Reload button. Reinstall software from installation disks.
SYS4570	Invalid link header in file.
SYS4571	Module not linked to page boundary.
SYS4572	Seek error while loading code. Action: Reload the system with the Manual Reload button. Reinstall software from installation disks.
SYS4573	Error reading a_out header from disk into memory. Action: Reload the system with the Manual Reload button. Reinstall software from installation disks.
SYS4574	Error reading text segment from disk into memory. Action: Reload the system with the Manual Reload button. Reinstall software from installation disks.
SYS4575	Invalid data segment in SL-1 module.
SYS4576	Error access in code file. Action: Reload the system with the Manual Reload button. Reinstall software from installation disks.
SYS4577	Error reading data segment from disk into memory.

Action: Reload the system with the Manual Reload button.

SYS4578	Invalid a_out header in memory (OVL or INSTALL).
SYS4579	Invalid link header in memory (OVL or INSTALL).
SYS4580 x	End of Protected data = x (OVL or INSTALL).
SYS4581 x y	Unprotected data start x overlaps Unprotected data end at y (OVL or INSTALL).
SYS4582	Error copying data from Protected memory to Unprotected memory for static modules. Action: Reinitialize the system with the INIT button.
SYS4583	Invalid a_out header in memory.
SYS4584	Invalid link header in memory.
SYS4585 x	End of Protected data = x.
SYS4586 x y	Unprotected data start x overlaps Protected data end at y.
SYS4587	Error copying data from Protected memory to Unprotected memory for SL-1 modules. Action: Reinitialize the system with the INIT button.
SYS4588	Feature Group D not allowed on Option 11 machine. Package 158 has been disabled.
SYS4589	Customer n has DITI = YES in LD15 but the DID to TIE package 176 is equipped, DID to TIE calls will be restricted by the DID to TIE package.
SYS4590	BRIT package restricted.
SYS4592	BRIL package restricted.
SYS4593	Either the BRIL or the BRIT package needs to be equipped.
SYS4594	BRIL application will not be configured on any MISP because the BRIL package is not equipped.
SYS4595	BRIT application will not be configured on any MISP because the BRIT package is not equipped.
SYS4596 xx yy	PEMD data in the route datablock was erased due to PEMD package restriction.

Where:

xx = customer number

yy = route number

SYS4600	The DTI package is restricted and either the BRIT package is restricted or the DTI2 package is equipped or the PRI2 package is equipped.
SYS4601	M911 package is restricted, therefore NPID block cannot be loaded in memory.
SYS4602	NPID block exceeds length of block allocated.
SYS4605 xx	SICA Table xx is erased due to PEMD package restriction.
SYS4606 x	That CDR Link port has been removed.
SYS4607 x	That Low speed Link port has been removed.
SYS4608	The port allocated for STA is being used by another application.
SYS4609	STA logical number is out-of-range.
SYS4610	STA logical number is out-of-range.
SYS4613	Protected loop block does not exist.
SYS4614	Cannot update card pointers to BRSC data block because card data blocks exist.
SYS4615	Cannot associate BRSC with line card because protected card data block does not exist.
SYS4616 xxxx yyyy	Unable to allocate protected data storage for DCH call reference table.
	Where:
	xxxx = mnemonic of feature affected
	yyyy = name of data structure affected
SYS4617	Unable to allocate protected data storage for limited access to Overlays (LAPW). The LAPW package has been restricted.
SYS4620	Attendant Blocking of Extension feature turned off because SACP package is not equipped.

SYS4621 s	s Keywords of expanded memory have been auto-configured. MTYP prompt in LD 17 has been updated. This message will only occur on a new system installation. No action required. This is the standard message for the auto installation of expanded memory.
SYS4623	IPRA package is restricted, but there is an international interface. The interface cannot be enabled with the current software packaging.
SYS4624	The number of Meridian 1 Packet Handler Digital Subscriber Loops (DSLs) reached the limit. No further MPH DSLs can be sysloaded.
SYS4625	B Channel TN not in MPH loop data block.
SYS4626	LAPB data block does not exist.
SYS4627	X25P data block does not exist.
SYS4628	Resident code is compressed, but the decoding table does not exist.
SYS4629	Meridian 1 packet handler (MPH) package is restricted.
SYS4630	The MPH application cannot be configured on an MISP because the MPH package is restricted.
SYS4631	KD3 Package unequipped - Data is discarded.
SYS4632	MFK5/MFK6 data corruption.
SYS4633 n	Cannot load data block for PRI loop n when INBD package is restricted.
SYS4634 n	Backup D-channel n is not loaded for this interface.
SYS4635	Cannot allocate Protected Data Store for AOC parsing tables.
SYS4636	The Voice Mailbox Administration data block exists without the feature configured. Action: Contact your technical support group.
SYS4637	The Voice Mailbox Administration data block contains invalid TNs. Action: Contact your technical support group.
SYS4638	There is no memory available to build the Voice Mailbox data block. Action: Contact your technical support group.

SYS4639	Voice Mailbox data exists without the feature package configured. The mailbox data has been discarded. Action: Contact your technical support group.
SYS4640	Voice Mailbox Administration application data exists with the feature package restricted. The application data is discarded. Action: Contact your technical support group.
SYS4641	Superloops 32, 36, 40, 48 have been added to the configuration. This only occurs when upgrading to the Option 11E CPU and these loops do not already exist. No action required. Standard message for the auto-configuration of superloop data.
SYS4642	Superloops 32, 36, 40, 48 have NOT been added to the configuration. This message only occurs when upgrading to the Option 11E CPU and one of these loops is already configured. Action: Check that the configuration is as desired. If a third box is being added to the system then superloops 32, 36, 40, and 48 must exist.
SYS4643	M2317 data block cannot be loaded when package is not equipped.
SYS4645	Only one of the language packages may be equipped. The MLMS feature has been disabled (Option 81 only). Action: Reinstall the system.
SYS4646	Mismatch between language pkg read at cold start and during SYSLOAD (Option 81 only) Action: Print out the list of equipped packages in LD 22. If the list does not match that on the label, restart the system.
SYS4647	The MLMS language packages is allowed on Option 81 systems only. The packages were disabled. No action required.
SYS4648 III	Phantom loop {III} is found, but the PHTN package is restricted. Phantom loop {III} is not loaded. All phantom TNs configured on this loop will not be loaded and existing SYS messages will be given. OUTPUT: III = phantom loop number
SYS4649	MCT data exists without the MCT package. The data is cleared.
SYS4650	SCDR data exists without the SCDR package. The data is cleared.
SYS4651	CDR link and the MCT packages are mutually exclusive. The CDR link package is turned off.

SYS4653	A BCS Phantom loop is found, but either the phantom or csl package is not equipped. Action: Remove the loop and all associated data.
SYS4654	Procedure SAMM_PBX_SRVR. Standalone Meridian Mail server not loaded - out of PDATA
SYS4655	Procedure SAMM_PBX_SRVR. Too many Standalone Meridian Mail servers loaded, not included in the table, TN not loaded.
SYS4656	Cannot allocate protected data store for xpec. This error message will be called from new proc SETUP_INIT_XPEC in MODULE SYS4XXX.
SYS4657	Warning. Existing CIST data are removed because CIST package 221 is restricted.
SYS4658	Existing ACRL data is removed because the ACRL package is restricted. Enable the ACRL package and reload the system.
SYS4663	TN 0 0 0 0 is not valid. TN is rejected
SYS4664	LAPW password nn is removed because it is a Set Based Administration password and the ADMINSET package is restricted.
SYS4665	Set Based Administration login limits are set to zero because the ADMINSET package is restricted.
SYS4666	The ADMINSET package is equipped, but one of its dependant packages (FFC package, LAPW package, Multi-User package) is restricted. Set Based Administration login limits are set to zero.
SYS4667	On sysload, CCB data exists, but the CCB package is restricted. Action: CCB data is cleared.
SYS4668	Call Pickup Network Wide cannot be loaded as ISDN package 145 is restricted. Action: Load with ISDN package equipped.
SYS4669	The DPNSS_ES package is equipped, but the DPNSS package is not. Action: Since DPNSS is a pre-requisite for DPNSS_ES, DPNSS_ES is forced unequipped.
SYS4679	CAC defined for BCS, PBX or route exceeds the CIS maximum range for CAC (9). CAC is set to CIS default value for CAC (3).

- SYS4690 China Attendant Monitor Package (CHINA) package 285 is not equipped but the Attendant Monitor option is allowed, then the options are reset to disable the China Attendant Monitor feature.
- SYS4691 BTD package is not equipped, the BTD tables have been removed.
- SYS4692 Unable to allocate protected memory for BTD Table 0.
- SYS4693 IDC package is removed since NFRC package is missing.
- SYS4694: CDB cc and/or RDB rr Due to unequipped IDC package, IDC data has been lost in customer cc or IDC data has been lost in Route rr of Customer cc.
- SYS4695 The mnemonic, filter and exception tables have been removed. NOTE: Their functionality has been replaced by the new Event Default and Preference Tables for Option 81 switches.
- SYS4696 Auto-configuration of conference loop 62 could not be done. Loop 62 has already been defined.
Action: Check your configuration record and redefine loop 62 for conference.
- SYS4697 Auto-configuration of conference loop 62 has performed successfully.
- SYS4698 If package 46 is not equipped and the feature is, it indicates that package 46 is not equipped and that the TMAR bit for customer y is cleared.
- SYS4699 WARNING: Existing ARDL data is reset to its default values, because ARDL package is restricted.
- SYS4700 A Secondary Call Park Block has been discarded due to CPRKNET package missing.
Action: Contact your NT representative for correct package configuration.
- SYS4701 Customer Call Park option changed from CPN to CPA due to CPRKNET package missing.
Action: Contact your NT representative for correct package configuration.
- SYS4702 A Secondary Call Park Block has been discarded since the customer does not have a Primary Call Park Block.
Action: Contact your NT representative.
- SYS4706 Warning: Clear CPP or TCPP for a non-ISDN trunk route if the OPOA package is equipped.

SYS4707 x	A Sysload Warning Message indicates that the TAT database has been removed due to the TAT package not being equipped in the M1 switch.
SYS4708 x	A Sysload Warning Message indicates that the TAT database has been removed from the D-channels associated with the DCHI cards.
SYS4712 cust	PTU or MFC package not equipped; PTU data cleared in customer data block. Action: Equip PTU and MFC packages and reload if PTU is required.
SYS4713 cust route	PTU or MFC package not equipped; PTU data cleared in route data block. Action: Equip PTU and MFC packages and reload if PTU is required.
SYS4714 cust table-number	PTU and MFC packages are not equipped. PTU data cleared in incoming R2MF table. Action: Equip PTU and MFC packages and reload if PTU is required.
SYS4715	FFC or AWU package not equipped. WUD and STE data are cleared.
SYS4716	The VDN block cannot be loaded during SYSLOAD. The VNS database cannot be restored. Action: Redefine the VDN data block.
SYS4717	The ARDL package (304) and the OPOA package (104) are mutually exclusive. ARDL package is automatically turned off.
SYS4718	Cannot load EuroISDN Network Mode data when Master Mode package is restricted.
SYS4719 table-number	PTU and MFC packages are not equipped. PTU data cleared in outgoing R2MF table. Action: Equip PTU and MFC packages and reload if PTU is required.
SYS4720	Either the Speed Call or System Speed Call package is restricted and the data exists.
SYS4722	Customer Call Park data is lost due to Call Park database memory allocation problems. Action: Contact your technical support group.
SYS4723	Customer option is changed to CPD due to Call Park database memory allocation problem. Action: Contact your technical support group.

SYS4729 xx	xx = %DNIS MMCS informations were found and MMCS package is restricted, the fields are set to default value INDGT, PRDL, INDI, DTIM, DIG#, DIIE).
SYS4730	Phantom DTI2 loop {III} is found, but either the ISPC package or the DTI2 package is restricted. Phantom DTI2 loop {III} is not loaded. All phantom DTI2 TNs configured on this loop will not be loaded and existing SYS messages will be given.OUTPUT: III = phantom loop Action: Unrestrict the ISPC package and the DTI2 package and then reload the PBX if necessary.
SYS4731	Unable to allocate protected memory for CLID Block or CLID table. Some CLID entries may be lost. Action: Use Overlay 21 to print the CLID entries. Configure the entries that are needed.
SYS4732 {TN} x	MFC/MFE/MFK5/MFK6 trunk: the MF digi5t transmit level (MFL) for this trunk has been changed to an MF transmit level identifier (MFLI) and has been given a default value of 0. x is the former MFL, value for the TN. Action: Use LD 97 to change the system transmit levels (MFTL0 and MFTL1) and LD 14 to change the MFLI for each trunk.
SYS4750	This template contains keys at the end that exceed the phone set capacity. These keys are removed and replaced by NULL_KEY. Action: Reconfigure the phone set that uses this template.
SYS4751	The keys in this phone set are removed at the end since they exceed capacity (see SYS4750 for more information). The user may need to reconfigure the keys on this set. The phone set will not be taken out of service. Action: Since some keys are lost at the end, use the overlay and reconfigure the keys if necessary.
SYS5714	Cannot allocate protected data store for XTD Table.
SYS6692 x1	x1 = %Invalid input when the MMCS package is not equipped.
SYS6693 x2	x2 = %DTIM should be defined to have PRDL=DNIS.
SYS8980	Data block can only be loaded when STIE package is equipped.
SYS8981	ICP Package not equipped.
SYS8982	Attempt to write a protected bit field for a specific bit offset and bit width which do not fit in a 16 bit word.

SYS8983	CLED package not equipped, data cleared.
SYS8984	Digital console package not equipped, data cleared.
SYS8985	FFC code corruption.
SYS8986	Flexible Feature Code is out of Protected Data (PDATA) storage.
SYS8987	FFC customer pointer is missing. The FFCs are not ready.
SYS8988	FFC package 139 is not equipped. FFCs have been removed.
SYS8989	mmmm ddd ppp Package not equipped, FFC will not be loaded. Where: mmmm = mnemonic of FFC not loaded ddd = digits of FFC not loaded ppp = package not equipped
SYS8990	OPCB package not equipped, data cleared.
SYS8991	SUPP package not equipped, special service list data cleared.
SYS8992	MPO package is restricted but MPO data is found. MPO data is cleared.
SYS8993	DTI2 - DTI2 package not equipped, data cleared.
SYS8994	DTI2 - JDMI package not equipped, data cleared.
SYS8995	ART head table not found, data lost.
SYS8996	Unable to allocate protected data store for TBAR.
SYS8997	Duplicate Art # found, date lost.
SYS8998	ART # out-of-range, data lost.
SYS8999	TBAR package not equipped, data not loaded.
SYS9026	DPNNS1 MWI: an NSI table cannot be restored. Action: Redefine the MWI NSI table.
SYS9027	Existing MFS data is removed because the CISMFS package is restricted.
SYS9028	System is not ESA packaged. ESA data has been discarded.

Action: Contact your technical support group if the system packaging is incorrect.

SYS9029 ESA data is for an undefined customer. ESA data has been discarded.

Action: Contact your technical support group.

SYS9030 System is not ESA_CLMP packaged. ESA_APDN has been reset to YES.

Action: Contact your technical support group if the system packaging is incorrect.

SYS9030 System is not ESA_CLMP packaged. ESA_APDN has been reset to YES.

Action: Contact your technical support group if the system packaging is incorrect.

SYS9031 Invalid DFCL configuration is encountered in the ESA block. DFCL has been reset to null.

Action: Contact your technical support group if the system packaging is incorrect.

SYS9032 NI-2 CBC package not equipped. NI-2 CBC data lost.

Action: Install NI-2 CBC package.

SYS9033 Diversion remote capability is removed since the QSIG-SS package is restricted.

Action: Enable the QSIG-SS package and Sysload the system again.

SYS9037 Customer has configured a RAN route with data requesting the RAN broadcast package but RAN broadcast package restricted. Broadcast capability removed from route, ringback tone provided while waiting and new RAN machine types changed.

Action: Enable RAN Broadcast package. DO NOT DATADUMP, system information will be lost.

SYS9038 Number of broadcasting routes exceeds ISM limit. Broadcast capability removed from route.

Action: Customer must contact distributor to increase ISM limit. DO NOT DATADUMP, system information will be lost.

SYS9039 Number of broadcast RAN connections exceeds ISM limit.

Action: Customer must contact distributor to increase ISM limit. DO NOT DATADUMP, system information will be lost.

SYS9040	Customer has broadcasting music route configured but music Broadcast package restricted. Action: Enable music Broadcast package. DO NOT DATADUMP, system information will be lost.
SYS9041	TBAR Package is not equipped. FTOP in CDB reset to FRES.
SYS9063	Invalid trunk type encountered in trunk TN block.
SYS9064	The MMCS or IVR packages are restricted. VPA cls cleared.
SYS9066	Trying to load some NI-2 Master Mode data with MMCS or Master Mode or NI-2 packages unequipped. These data will be lost. Action: Equip packages 309 or 317 or 291 and re-load.
SYS9069	Trying to load some French Code Abonne Network Side data with MMCS or DTI2 or FCANS package unequipped. The data will be lost. Action: Equip packages 317 or 129 or 343.
SYS9070	CPP//CPPO database defined for the route is discarded because CPP/CPPO is not equipped.